CM 811/812

Operating Instructions
Programming Instructions



OLYMPIA
SINCE 1903
www.olympia-vertrieb.de

Declaration of Conformity

CE

CM 811/812

(GB) The manufacturer hereby declares
that the equipment complies with the stipulations defined in the following guidelines and standards:

(D) Der Hersteller erklärt hiermit,
dass das Gerät mit den Bestimmungen der Richtlinien und Normen übereinstimmt:

(F) Le fabricant déclare par la présente que l'appareil est conforme aux règlements et normes en vigueur:

(E) Por medio de la presente,
el fabricante declara que este aparato está conforme a lo dispuesto en las directivas y normas vigentes:

(NL) De fabrikant verklaart hierbij dat het apparaat voldoet aan de bepalingen in de richtlijnen en normen:

(P) Pelo presente o fabricante declara
que o dispositivo está de acordo com as determinações das directrizes e das normas:

(S) Tillverkaren förklarar härmed
att apparaten överensstämmer med bestämmelserna i följande direktiv och normer:

73/23/EEC	EN 60950: 2000
89/336/EEC	EN 55022: 09.98+A1 :2000+A2 :2003
	EN 50024: 09.98+A1 :10 :2001+A2 :01 :2003
	EN 61000-3-2: 2000
	EN 61000-3-3: 1995+A 1 :2001

Olympia Business Systems



August 2005 | Heinz Prygoda | Managing Director

Congratulations!

Dear customer:

We are happy that you decided on purchasing the Olympia CM 811/812 Cash Register.

With the CM 811/812, you have obtained a high-quality cash register that uses the newest technologies to best satisfy your needs.

Your new cash register can register up to 200 items, 16 product groups, 8 operators with password and 4 foreign currencies. Among other things, it is characterized by an electronic journal with 3,000 lines and an alphanumeric printer. You can choose between 7 languages; the cash register comes with interchangeable, multi-language key templates. The cash register also has a calculator feature.

Please read the operating instructions to make sure that the cash register functions optimally.

We hope you enjoy using your machine!

Kindest Regards

Your Olympia Business Systems

Vertriebs GmbH

Olympia Business Systems Vertriebs GmbH
Weg zum Wasserwerk 10
D-45525 Hattingen
Germany

Internet: www.olympia-vertrieb.de

Intended Use

This cash register is intended exclusively for processing cash register business indoors.
Any other use is considered unintended use.

General Information / Safety Notes

- Make sure that the power supply matches that specified on the rating plate located on the back of the cash register.
- This cash register is a highly sophisticated piece of equipment. Never attempt to repair it yourself. If repairs should become necessary, please bring the cash register to an authorised service centre or the sales outlet.
- Never insert metallic objects, such as a screwdriver, paper clip etc., into the cash register. This could damage the cash register and also exposes you to risk of electric shock.
- Always switch the cash register off when it is no longer in use.
- Clean any dust from the cash register by wiping it gently with a dry cloth. Never use water or solvents, such as paint thinner, alcohol etc., to clean the cash register.
- To disconnect the power supply fully, disconnect the plug from the power socket.
- Never expose the cash register to extreme temperatures.
- Keep all the transport locks in a safe place for future use. The transport locks must be reinstalled for any future transportation of the cash register.

Transport Locks

Before the cash register can be used, remove any transport locks installed and store them for future use. **Important transport information**: In the event of any transport damage, the machine must be returned in the packaging together with the operating instructions and any accessories.

Connecting to the Power Supply

Before connecting the cash register to the power supply, please check that the voltage and frequency specifications stipulated on the rating plate match the local power supply.

Safety note: The power outlet must be near the cash register and easily accessible.
This means that the cash register can be quickly disconnected from the power supply in an emergency.

Note: All data is retained when the power supply is disconnected. The batteries ensure the data is retained for approx. 2 months after the cash register has been disconnected from the power supply.

Printer Mechanism

Attention: To guarantee long, trouble-free operation, observe the following:

- Never
  - print when paper is not installed!
  - pull out the paper while the printer is printing!
  - use poor quality paper!
  - insert used rolls of paper!
  - tamper with the printer using hard objects or move the drive by hand!
- Pay attention to the markings indicating the end of the paper roll. Change the paper roll immediately.
- Have the cash register / printer mechanism serviced regularly by an authorised service centre.

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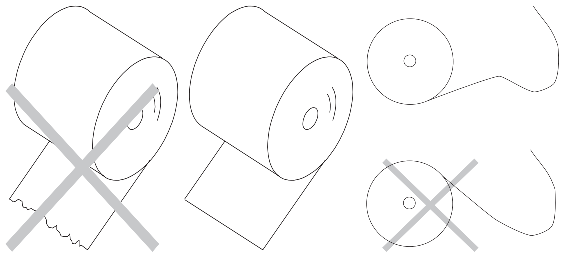
1 Basic Features

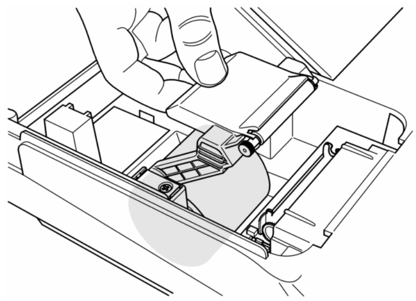
Department	16	
PLU	200	
Clerk	8 clerks	
Tax	Value-added tax mode (4 VAT rates)	
Payment	Cash, check, card	
Management report	X1/Z1 financial report	
	X2/Z2 monthly report	
	PLU report	
	X/Z clerk report	
	Training report	
	X/Z full report for electronic journal (EJ)	
	(Note: The electronic journal is hereinafter referred to as “EJ”.)	
	X/Z oldest report for EJ	
	X/Z latest report for EJ	
	X/Z daily report for EJ	
Display	ALPHA & numeric (union-jack) display (10 digits)	
Printer	SII LTPZ 225	
	Type of printer:	Line thermal printer
	Print speed:	5.2 lines per second
	Note:	[DEPT 01 1.00] data & 25°C
	Number of columns:	24 columns
	Paper width:	57.5 ± 0.5 mm
	MCTF:	About 6150000 Lines
Programmability	Date	
	Time	
	Tax rate	VAT (0 – 99.999 %)
	Department	Price (max. 7 digits)
		Caption
		Taxable
		Single item cash
		Dump report
	PLU	Price (max. 7 digits)
		Caption
		Link DEPT
		Sub-department
		Dump report
		-% Rate (0 – 99.99 %)
	FC	Caption
		Conversion factor

2 Inserting a Paper Roll

Remove the printer cover. Pivot the paper transport unit up. Insert a thermal paper roll (57 mm in width and max. 70 mm in diameter). Draw the leading edge of the paper over the tear-off edge and pivot the paper transport unit down, locking it in place. Depending on the required use (bill or journal), either tear off the paper at the tear-off edge of the printer mechanism or feed the paper onto the paper reel. Replace the printer cover.

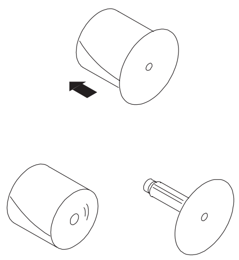






3 Paper Reel

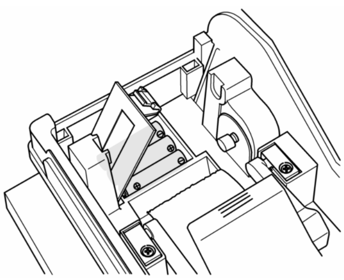
The paper reel is required when the receipts need be rolled up on it.



1. Open the printer cover.
2. Open the battery compartment cover (black flap) in the paper compartment.
3. Thread the end of the journal paper into the slit in the paper reel.
4. Insert the paper reel into the reel guides.
5. To remove the journal paper after it has been rolled up on the reel, remove the paper reel and pull the journal roll off.
6. Reinsert the paper reel.
7. Close the printer cover.

4 Inserting batteries

Note: Insert batteries to ensure that all data is retained in the event of a power failure.



1. Open the printer cover.
2. Open the battery compartment cover (black flap) in the paper compartment.
3. Insert 3 AA batteries.
   Important: Pay attention to the correct positioning of the batteries
   (refer to the diagram and/or the markings on the cash register).
4. Close the battery compartment cover.
5. Close the printer cover.
6. To ensure that no data is lost, replace the batteries once a year while the cash register is switched on.

5 Basic Features and Functions

5.1 Keyboard

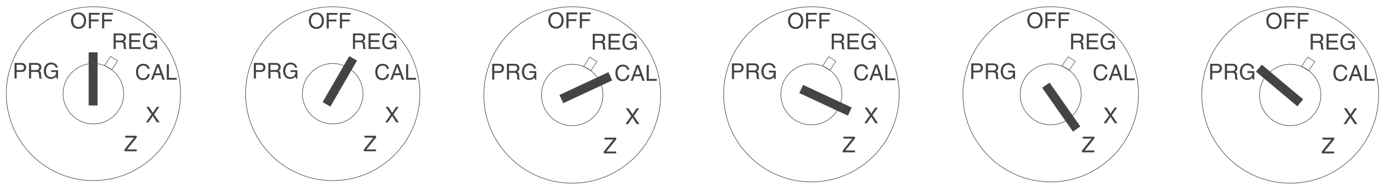
Note: The electronic journal is referred to as “EJ” below.

CASH TOTAL =	The Amt Tend/TOTAL key is used for a cash tender transaction.
CLEAR	The Clear key will clear an entry made on the numeric keypad or Qty/Time key before it is finalized on a department or function key. The Clear key is also used to clear error conditions.
FEED	Depressing the FEED key will advance the receipt or journal paper one line, or continuously until the key is released.
REF/-	The Ref/- key is used to subtract an amount from the sale total. The financial report records the (-) key total. As with the Ref/- key, this is used for refund operations. The financial report records the refund total.
-%	The -% key is used to subtract a percentage from the sale total. The financial report records the -% key total.
SUB TOTAL	Pressing the Subtotal key will display the sale total.
PO	The PAID OUT key (PO) is used to remove media from the cash drawer. It carries its own total on the financial report.
RA	The RECEIVED ON ACCOUNT key (RA) is used to record a media payment or loan to the cash drawer. The financial report records the total received on account.
FC	The Forreign Currency key (FC) is used for FC conversion operations.
CHECK	The Check key is used for check tender transactions.
CARD	The Card key is used for card tender transactions.
7 @, 8 ABC, 9 DEF, 4 GHI, 5 JKL, 6 MNO, 1 PQRS, 2 TUV, 3 WXYZ, 0 "#, 00 SP/ENT, . DEL	Numerical keys: The numerical keys are used to input numbers. Each key is assigned several characters in order to program a caption in PRG. The DECIMAL POINT key is used to enter a decimal point.
PLU	Price look-up feature (200 types).
X/TIME DW	The X/Time key is used to multiply department or (-) key entries. Inform remaining buffers for EJ.
4, 8, 12, 16, 3, 7, 11, 15, 2 x, 6 ÷, 10, 14, 1 +, 5 -, 9, 13	DEPARTMENT key (DEPT) is used to select non-taxable sales at the pre-programmed tax rate.
#/NS	#/NO SALE key (#/NS) is used as a non-add number key and a non-sale key.
CLERK	The Clerk key is used to assign a clerk.
VOID	The Void key is used to erase incorrect entry operations. The financial report recordes the void total.
EC	The EC key is used for error correction operations. The financial report recordes the void total.
RECEIPT ON/OFF	The Receipt ON/OFF key is used to saving paper or not. Press it again to turn receipt-printing back on.
RECEIPT ISSUE	The Receipt Issue key is used to post receipt or multiple receipt. (Multiple receipt is useful for changing the rolle of paper)
HELP	The HELP key provides assistance on basic programming operations.

5.2 Key-Operated Control Switch

OFF	The System is inoperable.
REG	Registration mode. Receipt ON/OFF does not work in journal mode (as programmable).
CAL	Calculation machine mode.
X	The X position is used for reading the financial report.
Z	The Z position is used to read the financial report.
PRG	The PRG position is used for all programming.

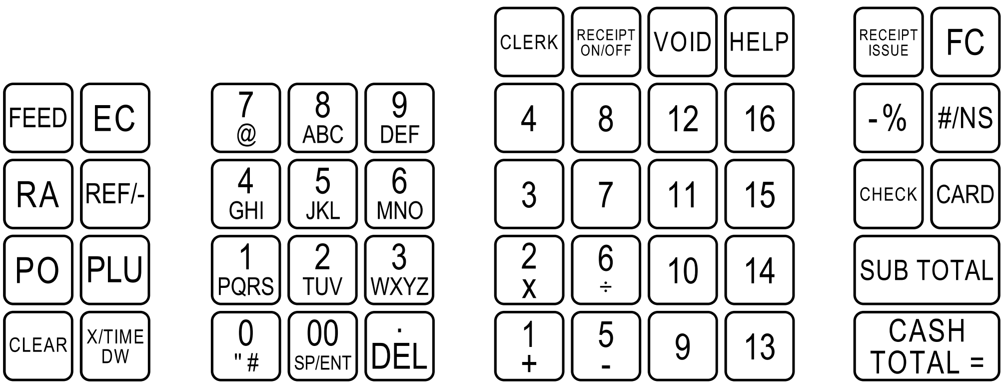
The key must be set to position **REG** for normal operation (registration).



OFF | Registration (normal operation) | Calculation | X-reports (without memory deletion) | Z-reports (with memory deletion) | Programming

Note: Loss of data and jamming of the cash register are possible in Z and PRG operating modes. Only use these modes when you are familiar with programming and operating the cash register.

6 Keypad assignment



7 Printing the Help List



Set the key to REG. Press the HELP key.

Select the number in the help list, enter it and confirm the entry by pressing the HELP key.

Help list for CM 811/812

Enter the help no. and press the HELP key.

Help no.	Function
01	Select language
02	Program date (DD/MM/YY)
03	Program time (24-hour clock)
04	Program logo
05	Program tax
06	Program departments
07	Program PLU
08	Print financial report
09	Print text table

To print the table, press the HELP key.

Example: Activate the language table

Help no.	Confirm by pressing
1 PQRS	HELP

01: Select language

110	RA	ENGLISH
111	RA	FRENCH
112	RA	GERMAN
113	RA	SPANISH
114	RA	DUTCH
115	RA	PORTUGUESE
116	RA	SWEDISH



To **change the settings**, set the key to position PRG.

Select the number from the list illustrated above, enter it and confirm the entry by pressing the RA key.

Example: Change the language to ENGLISH

Language no.	Confirm entry by pressing
1 PQRS 1 PQRS 0 "#	RA

Help list for CM 811/812

ENTER NUMBER THEN
PRESS <HELP> KEY.

01	SELECT THE LANGUAGE
02	DATE PROGRAMMING DD/MM/YY
03	TIME PROGRAMMING 24 HOURS
04	LOGO PROGRAMMING
05	TAX PROGRAMMING
06	DEPARTMENT PROGRAMMING
07	PLU PROGRAMMING
08	FINANCIAL REPORT PRINTOUT
09	TEXT TABLE

Each setting method can be checked
by specifying the number printed above.

Select Language
(01) –[HELP]

01:SELECT THE LANGUAGE

110 <RA> ENGLISH
111 <RA> FRENCH
112 <RA> GERMAN
113 <RA> SPANISH
114 <RA> DUTCH
115 <RA> PORTUGUESE
116 <RA> SWEDISH

Date setting
(02) –[HELP]

02:DATE PROGRAMMING

ENTER DDMMYY
PRESS <#/NS> KEY.

Time setting
(03) –[HELP]

03:TIME PROGRAMMING

ENTER HHMM
PRESS <QTY/TIME> KEY.

LOGO Message setting
(04) –[HELP]

04:LOGO PROGRAMMING

PRESS <#/NS> KEY 4 TIMES
SEE TEXT TABLE. PRESS
<TOTAL> KEY for EXITING.

Tax Rate setting
(05) –[HELP]

05:TAX PROGRAMMING

ENTER TAX#(1 – 4)
PRESS <CARD> KEY.
ENTER TAX RATE
(0.000 – 99.999)
PRESS <TOTAL> KEY.

Department setting
(06) –[HELP]

06:DEPARTMENT
PROGRAMMING

- - - - - TEXT - - - - -
PRESS <#/NS> KEY 2 TIMES
SEE TEXT TABLE.
PRESS <TOTAL> KEY for
EXITING.

- - STATUS & PRICE - - -
ENTER TYPE (0 or 1)
0:NORMAL,1:SINGLE ITEM
ENTER TAXBLE (00 – 04)
PRESS <CHECK> KEY.
ENTER PRICE(0 – 9999999)
PRESS <DEPARTMENT> KEY

PLU setting
(07) –[HELP]

07:PLU PROGRAMMING
- - - - - TEXT - - - - -
PRESS <#/NS> KEY ONCE
SEE TEXT TABLE.
PRESS <TOTAL> KEY for EXITING.
- - - - PRICE - - - - -
PRESS <QTY/TIME> KEY.
ENTER PLU NUMBER (1 – 200)
PRESS <PLU> KEY.
ENTER PRICE (0 – 9999999)
PRESS <DEPARTMENT> KEY.
PRESS <QTY/TIME> KEY for EXITING.
- - - - STATUS - - - - -
PRESS <PO> KEY.
ENTER PLU NUMBER (1 – 200)
PRESS <PLU> KEY.
ENTER STATUS (0 or 1)
0=PLU,1=SUB-DEPT
PRESS <DEPARTMENT> KEY.
PRESS <PO> KEY for EXITING.

Report issue
(08) –[HELP]

08:FINANCIAL REPORT PRINTOUT

PRESS <TOTAL> KEY
@ X/Z MODE

Text Entry Key
(09) –[HELP]

09:TEXT TABLE

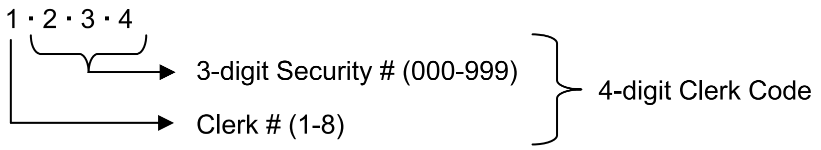
0: 0!”#$%’&()*+,-./:;<=>?
1: PQRSTpqrs1ŞŚŞpşś
2: TUVtuv2ÚŰŮÙÛÜůüűûùú
3: WXYZwxyz3ÝŹ Zź z
4: GHIghi4GĠÍÎÏgî
5: JKLjkl5Łł
6: MNOmno6ŃÑÓŐŌȮÔÖñń óőō ȯôöò
7: 7@[＼]^_{¦ }~ ¡§→←Σ ØÆŒ˙¿
Ⅰ Ⅱ Ⅲ 「 」↑ ·
8: ABCabc8ÁAĄÅÀÂÄßCĆÇáąàâäcć
9: DEFdef9ĐĖEÉÈÊėeèéÊë

<DEPT1> for INCREMENT RECORD NUMBER.
<DEPT5> for DECREMENT RECORD NUMBER.
<.> for BACK SPACE.
<00> for SPACE/ENTER.
<QTY> for DOUBLE WIDTH
<CHECK> for SETTING.

8 Clerk Function

Clerk codes has a special security feature to control access to the register. The special security code can be set in register memory as individual code. When clerk system is set to activatted, Clerk code must be assigned before operating in REG. The clerk code entered is retained until the clerk logs off even if any operation is done in other mode (PRG, X, Z). LOG-OFF operation is required in order to make it LOG-OFF.

Clerk code format



8.1 Clerk Log On with Security Code



Set the key to PRG.

Enter the 4-digit clerk code as follows: Start with the code for the clerk. Immediately after this, type the 3-digit security code. If not correctly typed an error sign appears on the display. Finish by pressing the [CLERK] key.

Note: If the security # "000" is preset (factory default setting), only enter the clerk #.

Note: Under the transaction, it is impossible to change the assigned clerk.

To log off, press [0 "#] and [CLERK].

8.2 Clerk Security # Programming



Set the key to PRG

Press [4 GHI] **6 times**

Press [CASH TOTAL =]

Enter a number between 1 and 8 as the clerk code.

Then enter the 3-digit clerk security code and also confirm with [CLERK].

Finish programming by pressing [CLEAR].

The following message appears on the receipt:

Example: Programming security number 456 for clerk 1.

Input	Display	Confirm by pressing
[4 GHI] [4 GHI] [4 GHI] [4 GHI] [4 GHI] [4 GHI]	4444.44	[CASH TOTAL =]
[1 PQRS]	1	
[4 GHI] [5 JKL] [6 MNO]	14.56	[CLERK]
		[CLEAR]

* NON PRINT

8.3 Clerk System Programming

Note: If "CLERK SYSTEM INACTIVE" in clerk system programming was selected, ECR operates without entering clerk # and its 3 digit security #. Under this mode, display shows "1" as clerk # and prints "1" as clerk # on receipts, journals and reports. All of sales will be put together into clerk# 1 and clerk report covers only sales for clerk # 1.



Set the key to PRG

Press [4 GHI] **5 times**

The press the [0 "#] key to deactivate the clerk system (default setting) or

the [1 PQRS] key to activate the clerk system.

Finish programming by pressing the [CASH TOTAL =] key.

Example: Activating the clerk system.

Input	Display	Confirm by pressing
[4 GHI] [4 GHI] [4 GHI] [4 GHI] [4 GHI]	444.44	
[1 PQRS]	4444.41	[CASH TOTAL =]

8.4 Clerk # on display

Clerk number displays when a clerk code is entered in REG mode and when clerk system is in operation.

Example: Clerk 6

C	0	6					0.	0	0

Clerk # (digits 2–3)

* To modify the clerk code currently assigned, enter a new clerk code.

9 Printing the system settings

The settings in respect of system options, discount, foreign currency as well as Z-report and clerk password.



Set the key to PRG

Press [9 DEF] 6 times

Confirm by pressing [CASH TOTAL =]

Input	Display	Confirm by pressing
[9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF]	9999.99	[CASH TOTAL =]

10 Programming the date



Set the key to PRG

Enter the date as 6 digits (DDMMYY)

Confirm by pressing [#/NS]

Example: 1st of January 2006

Input	Display	Confirm by pressing
[0 "#] [1 PQRS] [0 "#] [1 PQRS] [0 "#] [6 MNO]	0 10 1.06	[#/NS]

11 Programming the time



Set the key to PRG

Enter the time as 4 digits (hhmm)

Confirm by pressing [X/TIME DW]

Example: 9:30 a.m.

Input	Display	Confirm by pressing
[0 "#] [9 DEF] [3 WXYZ] [0 "#]	9.30	[X/TIME DW]

12 Programming tax rates

A maximum of four different tax rates can be programmed.



Set the key to PRG

The entry of a tax rate (1,2,3 or 4, corresponds to storage location no.)

Confirm by pressing [CARD]

Enter the tax rate (x 1000)

Confirm by pressing [CASH TOTAL =]

Example: 16% as tax rate 1

Input	Display	Confirm by pressing
[1 PQRS]	0.0 1	[CARD]
[1 PQRS] [6 MNO] [0 "#] [0 "#] [0 "#]	160.00	[CASH TOTAL =]



Set the key to PRG

Enter the second tax rate

Confirm by pressing [CARD]

Enter the tax rate (x 1000)

Confirm by pressing [CASH TOTAL =]

Example: 7% as tax rate 2

Input	Display	Confirm by pressing
[2 TUV]	0.02	[CARD]
[7 @] [0 "#] [0 "#] [0 "#]	70.00	[CASH TOTAL =]

13 -% Key Programming

You can enter a discount value from 0.00 bis 99.99%.



Set the key to PRG

Enter the discount using 4 digits. (10 % = 10,00 %)

Confirm by pressing [-%]

Example: 10% Discount

Input	Display	Confirm by pressing
[1 PQRS] [0 "#] [0 "#] [0 "#]	10.00	[-%]

Note: The attribute of -% in the REG mode is identical with the attribute of the item (Dept or PLU) registered just before. When -% is used after Subtotal, it attributes to all the items registered by then.

14 Programming Text

Set the key to PRG.

Press the [#/NS] button to toggle between the different programming modes.



Input	Display	Meaning
	0.00	Normal programming mode
[#/NS]	P 001	PLU caption programming mode
[#/NS]	D 01	Department caption programming mode
[#/NS]	C 01	Clerk caption programming mode
[#/NS]	H 01	Header message programming mode
[#/NS]	F 01	Forreign currency caption programming mode
[#/NS]	A 01	Footer message programming mode
[#/NS]	0.00	Return to normal programming mode

Note: Even while in the process of programming, you can exit programming by pressing the [CASH TOTAL =] key.

15 Selecting a Caption Number

After a programming mode has been selected,
the individual storage locations can be selected using the plus and minus button:



Input	Display	Meaning
#/NS	P 001	Normal programming mode
1 +	P 002	Ascending PLU numbers
1 +	P 003	
5 -	P 002	Descending PLU number

Programming Mode:	PLU	Department	Clerk	Header	Foreign Currency	Footer
Area of caption number per classification of caption:	01 - 200	01 - 16	01 - 08	01 - 04	01 - 04	01 - 03

16 Entering the Character Code

16.1 Character Keys

Numeric keys work like character keys in programming mode. Each numeric key has several character codes. These are selected by depressing the same key repeatedly. When the code reaches the end of list of codes, the selected code goes to first character code again. The choice is cyclical.

OFFSET / Key	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
0	0	!	"	#	$	%	&	'	(	)	*	+	,	-	.	/	:	;	<	=	>	?						
1	P	Q	R	S	p	q	r	s	1	Ş	Ś	Ș	p	ș	ś													
2	T	U	V	t	u	v	2	Ú	Ű	Ů	Ù	Û	Ü	ů	ü	ű	û	ù	ú									
3	W	X	Y	Z	w	x	y	z	3	Ý	Ź	Ƶ	ź	ƶ														
4	G	H	I	g	h	i	4	Ḡ	Ġ	Í	İ	Î	Ï	ḡ	í	ì												
5	J	K	L	j	k	l	5	Ł	ł																			
6	M	N	O	m	n	o	6	Ń	Ñ	Ó	Ő	Ō	Ȯ	Ô	Ö	ñ	ń	ó	ő	ō	ȯ	ô	ö	ò				
7	7	@	[	\	]	^	_	{	¦	}	~	¡	§	→	←	Σ	Ø	Æ	Œ	¨	¿	I	II	III	⌜	⌟	↑	·
8	A	B	C	a	b	c	8	Á	A	Ą	Å	À	Â	Ä	ß	C	Ć	Ç	á	ą	à	â	ä	c	ć			
9	D	E	F	d	e	f	9	Đ	Ė	Ę	É	È	Ê	ė	e	è	é	ê	ë									

You can print the complete chacter table:
To do this, set the key-operated switch to REG and press the [9 DEF] and [HELP] keys.

16.2 Control Key for character inputting

Key	Meaning
X/TIME DW	Double Width Character selected. The character is printed in bold face.
00 SP/ENT	Space Code Entry using. And for setting the selected character by repeatedly pressing the same input key.
. DEL	Deleting character code entry like back-space of PC.

Note: [00 SP/ENT] has two functions for caption setting. One is SPACE code entry.
The other is ENTER as fixing to previous character entry. Example:



Input	Display	Meaning
8 ABC	0 A	Selecting Character
00 SP/ENT	0 A	ENTER as fix "A" character and cursor moving
00 SP/ENT	0 A	Enter as "SPACE" and cursor moving



Input	Display	Meaning
8 ABC	0 A A	Selecting Character
CHECK		Programmed to caption as "AA" that has one space code.
	X	OFFSET Value for the character key. Example:
5 JKL	0 J	
5 JKL	1 K	
5 JKL	2 L	
5 JKL	3 j	
5 JKL	4 k	
5 JKL	5 l	
5 JKL	6 5	
5 JKL	7 Ł	
5 JKL	8 ł	
5 JKL	0 J	

16.3 Ex: PLU001 caption presetting.



Example: PLU #001 = Apple

Input	Display	Meaning
	0.00	Normal Programming Mode
#/NS	P 001	PLU #001 Caption Programming Mode
8 ABC	0 A	
1 PQRS	0 AP	
00 SP/ENT	0 AP	
1 PQRS	0 APP	
5 JKL	0 APPJ	
5 JKL	1 APPK	
5 JKL	2 APPL	
9 DEF	0 APPL D	
9 DEF	1 APPLE	
CHECK	P 002	Set PLU#001 caption. Caption number will be accumulatedby one after presetting.“SPACE”can be applied in case of

Programming Mode:	PLU	Department	Clerk	Header	Foreign Currency	Footer
Maximum number of character digits per classification:	12	12	12	24	10	24

17 Programming departments (DEP)



Example: The name of DEP1 is "Test"

Step 1: Text input

Set the key to PRG

	Input	Display	Confirm by pressing
Press #/NS twice	#/NS #/NS	D01	
Text input for DEP name	1 x 2 TUV	T	
	2 x 9 DEF	TE	
Confirm by pressing CHECK	4 x 1 PQRS	TES	
Continue with text input for other departments	1 x 2 TUV	TEST	CHECK

In order to select a DEP number directly:

Press the DEP key 1 + to scroll upwards or 5 - to scroll downwards.

End programming by pressing CASH TOTAL = after entering the last department CASH TOTAL =

Example 1: DEP1 is an itemised department at tax rate 1 (16%) and without a fixed price.



Step 2: Define status

Set the key to PRG

Step	Input	Display	Confirm by pressing
Enter status S1 and S2 as three digits	[0 "#] [0 "#] [1 PQRS]	0.0 1	[CHECK]
Enter fixed price or free pricing. Assign settings to DEP1 by pressing [1 +]	[0 "#] [0 "#] [0 "#]	0.00	[1 +]

Status S1: 0 = itemised department, 1 = single item department

Status S2: 00 = no tax, 01 = tax rate 1, 02 = tax rate 2, 03 = tax rate 3, 04 = tax rate 4
(For information on tax rates, refer to Section "Programming tax rates")

000 = DEP operates without **fixed price** (free pricing); alternatively: enter the fixed price

Example 2: DEP1 is an itemised department at tax rate 2 (7%) and without a fixed price.



Step 2: Define status

Set the key to PRG

Step	Input	Display	Confirm by pressing
Enter status S1 and S2 as three digits. Enter fixed price or free pricing	[0 "#] [0 "#] [2 TUV]	0.02	[CHECK]
Assign settings to DEP2 by pressing [2 X]	[0 "#] [0 "#] [0 "#]	0.00	[2 X]



Step 3: Printing

To print a list with the programmed departments

Press [8 ABC] 6 times

and conclude by pressing [CASH TOTAL =].

Input	Display	Confirm by pressing
[8 ABC] [8 ABC] [8 ABC] [8 ABC] [8 ABC] [8 ABC]	8888.88	[CASH TOTAL =]

18 Department Dump Report

You can print the department dump report as follows:



Set the key to PRG

Press the [8 ABC] key six times.

Confirm by pressing [CASH TOTAL =]

Input	Display	Confirm by pressing
[8 ABC] [8 ABC] [8 ABC] [8 ABC] [8 ABC] [8 ABC]	8888.88	[CASH TOTAL =]

CLERK 1	PM12-27
09-01-2006	0001
DEPT01	1.00T1
P DEPARTMENT	0.01
DEPT02	2.00T2
P DEPARTMENT	0.02
DEPT03	3.00T3
P DEPARTMENT	0.03
DEPT04	1.00T4
P DEPARTMENT	0.04

DEPT05	5.00
P DEPARTMENT	0.00
DEPT06	6.00T1
P DEPARTMENT	0.01
DEPT07	7.00T2
P DEPARTMENT	0.02
DEPT08	8.00T3
P DEPARTMENT	0.03
DEPT09	9.00T4
P DEPARTMENT	0.04
DEPT10	10.00
P DEPARTMENT	1.00

DEPT11	0.00
P DEPARTMENT	0.00
DEPT12	0.00
P DEPARTMENT	0.00
DEPT13	0.00
P DEPARTMENT	0.00
DEPT14	0.00
P DEPARTMENT	0.00
DEPT15	0.00
P DEPARTMENT	0.00
DEPT16	0.00
P DEPARTMENT	0.00

19 Programming Price Look Up (PLU)

PLUs are programmed in 3 steps:

- Enter the PLU text for all PLUs.
- Enter the price and department assignment for all PLUs.
- Enter the status of the PLU and department assignment for all PLUs.
  (Not necessary if the PLU is operated with a fixed price.)



1. PLU text:
Set the key to PRG

Press [#/NS] once

Enter the text for the first PLU using the 10-key keypad (max. 12 characters)

Proceed in the same way for the next PLU.

Example: The name of PLU123 is "Test".

Input	Display	Confirm by pressing
[#/NS]	P001	
1 x [2 TUV]	T	
2 x [9 DEF] □	TE	
4 x [1 PQRS] □	TES	
1 x [2 TUV] □	TEST	[CHECK]

In order to select a PLU number directly:

Press the DEP key [1 +] to scroll upwards to the DEP key [5 -] to scroll downwards.

Conclude text input by pressing [CASH TOTAL =] — [CASH TOTAL =]



2. PLU price and assignment:
Set the key to PRG

Press [X/TIME DW]

Enter the required PLU number, confirm by pressing [PLU].

Now enter the PLU fixed price and the department assignment by pressing the department key [1 +].

The next PLU automatically appears in the display. Proceed in the same way.

Conclude input by pressing [X/TIME DW]

Example: PLU123 for 2.50 EUR belongs to department 1.

Input	Display	Confirm by pressing
[X/TIME DW]	P001 0.00	
[1 PQRS] [2 TUV] [3 WXYZ]	P 123	[PLU]
[2 TUV] [5 JKL] [0 "#]	2.50	[1 +]
□	P 124 0.00	
		[X/TIME DW]



3. PLU status:
Note: This step is only necessary for PLUs which operate with free pricing.
Status 0 = fixed price
Status 1 = free pricing
Set the key to PRG

Press [PO]

Enter the PLU no. to be programmed and confirm by pressing [PLU].

Example: PLU123 / DEP1 with free pricing permitted.

Input	Display	Confirm by pressing
[PO]	P001 0.00	
[1 PQRS] [2 TUV] [3 WXYZ]	P 123 2.50	[PLU]

Enter the PLU status, assign by pressing the corresponding department key and confirm.	[1 PQRS]	0.01	[1 +]
The next PLU automatically appears in the display. Proceed in the same way.	▯	P 124 0.00	
Conclude input by pressing [PO]	▯		[PO]

A **list** of the programmed PLUs can be printed out.



Set the key to PRG

Send the print job by pressing [PLU]

Confirm by pressing [PLU]

20 PLU Dump Report

A **list** of the programmed PLUs can be printed out.



Set the key to PRG

Press the [PLU] key.

Input [PLU]

```
CLERK 1             PM12-29
  09-01-2006           0002
  P PLU       001 STATUS 0     <- PLU Status
  DEPT01             1.00T1    <- PLU Price & Tax
  APPLE
  P PLU       002 STATUS 0
  DEPT02             2.00T2
  COKE
  P PLU       003 STATUS 1
  DEPT03             3.00T3
  GRAPE
  P PLU       004 STATUS 1
  DEPT04             4.00T4
  MELON
```

PLU no. → P PLU (001); Assigned department → DEPT01; PLU caption → APPLE

21 Programming foreign currencies

A maximum of 4 foreign currencies can be programmed.

The following information must be entered for the programming process:

- Foreign currency identification: 1,2,3 or 4
- Decimal places for the exchange rate (EXP): 0 to 8 decimal places are possible
- Decimal places for the foreign currency (D.P.): 0 to 3 decimal places are possible
- Exchange rate (RATE): 6-digit entry from 000001 to 999999

The digits for this setting are programmed in a single sequence without any spaces or intermediate characters between them: <digit for foreign currency> <digit for EXP> <digit for D.P.> <digits for RATE>

Example: EURO to US Dollars (1 USD = 0.76494 EURO) as foreign currency no. 1



Set the key to PRG
Foreign currency 1 = 1
EXP = 5
D.P. = 2
RATE = 076494

Input	Display	Confirm by pressing
[1 PQRS] [5 JKL] [2 TUV] [0 "#] [7 @] [6 MNO] [4 GHI] [9 DEF] [4 GHI]	1520764.94	[SUB TOTAL]

22 Programming system options

The basic program of the cash register is stored in the system options.

Example: Change the time display to the 24-hour format



Set the key to PRG
The system options are entered as 2 or 3 digits.
The input is confirmed by pressing [RA]

Input	Display	Confirm by pressing
[4 GHI] [0 "#]	40	[RA]

Note: The standard settings appear in bold print.

System option no.	Status no.	Setting
1	0	Decimal point position: 0 (no point)
	1	Decimal point position: 0.0
	2	**Decimal point position: 0.00**
	3	Decimal point position: 0.000
2		(reserved)
3	1	Net price (exclusive of tax)
	2	**Gross price (including tax)**
4	**0**	**Time: 24-hour format**
	1	Time: 12-hour format *
5	0	Print X/Z-report with logo: No print
	1	**Print X/Z-report with logo: Print**
6		(reserved)
7	0	Date format: Month-Day-Year
	1	**Date format: Day-Month-Year**
8		(reserved)
9		(reserved)
10		(reserved)
11	**0**	**Language: English**
	1	Language: FRENCH
	2	Language: GERMAN
	3	Language: SPANISH
	4	Language: DUTCH
	5	Language: PORTUGUESE
	6	Language: SWEDISH
12	0	Zero price of a PLU or department not permitted
	1	**Zero price of a PLU or department permitted (default)**

- Continued on next page -

- Table, continued -

Note: The standard settings appear in bold print.

System option no.	Status no.	Setting
13	**0**	**No special European rounding ****
	1	European rounding: Swiss
	2	European rounding: Swedish
	3	European rounding: Danish
14	0	Tax rounding: Rounding
	1	**Tax rounding: 5/4 commercial rounding**
	2	Tax rounding: Rounding up
15	**0**	**Printing of an additional bill permitted**
	1	Printing of an additional bill not permitted
16	**0**	**Zero skip printing for Z-report**
	1	No zero skip printing for Z-report
17	**0**	**Print total tax amount: No print**
	1	Print total tax amount: Print
18	**0**	**Print taxable amount for each tax rate: No print**
	1	Print taxable amount for each tax rate: Print
19	**0**	**Print extra line "Total taxable amount": No print**
	1	Print extra line "Total taxable amount": Print
20	**0**	**Print net total for each tax rate: No print**
	1	Print net total for each tax rate: Print
21	0	Print extra line “Net total”: No print
	1	**Print extra line “Net total”: Print**
22	0	Print “tax rate“ symbol to the right of the total: No print
	1	**Print “tax rate“ symbol to the right of the total: Print**
23	**0**	**Print time: Print**
	1	Print time: No print
24		(reserved)
25	**0**	**Print tax totals: Before cash line**
	1	Print tax totals: After cash line
26	0	Electronic journal is active
	1	**Electronic journal is not active**
27	**0**	**Store all transactions in REG mode in the electronic journal**
	1	Only the sales transactions in REG mode are stored in the electronic journal. Operations such as Paid Out, Received on Account and No Sale are not stored.
28	**0**	**Warning signal “E-journal nearly full“ issued at the end of a transaction**
	1	Warning signal “E-journal nearly full“ not issued at the end of a transaction
29	**0**	**Warning signal “E-journal nearly full“ issued at the start of a transaction**
	1	Warning signal “E-journal nearly full“ not issued at the start of a transaction
30	0	Receipt counter is not deleted after Z-financial report printout
	1	**Receipt counter is deleted after Z-financial report printout**
31	**0**	**Z1 and Z2 counters are not deleted after Z-financial report printout**
	1	Z1 and Z2 counters are deleted after Z-financial report printout

- Continued on next page -

- Table, continued -

Note: The standard settings appear in bold print.

System option no.	Status no.	Setting
32	0	Grand Total is not deleted after Z1 financial report printout
	1	**Grand Total is deleted after Z1 financial report printout**
33	**0**	**Grand Total is not printed on the financial report**
	1	Grand Total is printed on the financial report
34	**0**	**Basic currency is the local currency (amount ÷ conversion factor)**
	1	Basic currency is foreign currency (amount × conversion factor)
35	**0**	**Refunds are printed in the financial report**
	1	Refunds are not printed in the financial report
36	**0**	**Clerk logon not active after each transaction**
	1	Clerk logon active after each transaction
40	**0**	**Invoice mode**
	1	Journal mode
98	0	Line spacing for receipt printout: 0.5 mm
	1	Line spacing for receipt printout: 0.75 mm
	2	**Line spacing for receipt printout: 1.0 mm**
	3	Line spacing for receipt printout: 1.25 mm
	4	Line spacing for receipt printout: 1.5 mm
	5	Line spacing for receipt printout: 1.75 mm
	6	Line spacing for receipt printout: 2.0 mm
	7	Line spacing for receipt printout: 2.25 mm
	8	Line spacing for receipt printout: 2.5 mm
	9	Line spacing for receipt printout: 2.75 mm

*** Note on system option no. 4:**

When "12 hour indication" is selected, it will be displayed and printed as shown below. (AM 0:00 - 11:59, PM 1:00 - 12:59)

Meaning	Display	Print
AM 10:00	10-00	CLERK 1 AM10-00
PM 10:00	,10-00	CLERK 1 PM10-00

↑ PM Sign

**** Note on system option no. 13:**

If no European rounding is selected, the payment amount is rounded according to the following method.
Rounding is performed when press cash total key or subtotal key.

Swiss Rounding:	Swedish Rounding:	Denmark Rounding:
0.01 – 0.02 = 0.00	0.00 – 0.24 = 0.00	0.00 – 0.12 = 0.00
0.03 – 0.07 = 0.05	0.25 – 0.74 = 0.50	0.13 – 0.37 = 0.25
0.08 – 0.09 = 0.10	0.75 – 0.99 = 1.00	0.38 – 0.62 = 0.50
		0.63 – 0.87 = 0.75
		0.88 – 0.99 = 1.00

The system options set can be printed out.



Printing system settings:
Set the key to PRG
Press [9 DEF] 6 times,
conclude by pressing [CASH TOTAL =].

Input	Display	Confirm by pressing
[9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF]	9999.99	[CASH TOTAL =]

23 System Options Dump Report

You can print the System Options Dump Report as follows:



Set the key to PRG
Press the [9 DEF] key six times.
Confirm by pressing [CASH TOTAL =]

Input	Display	Confirm by pressing
[9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF] [9 DEF]	9999.99	[CASH TOTAL =]

CLERK 1	PM12-27	
09-01-2006	0003	
//////////////////////		
/ YOUR RECEIPT /		
/ THANK YOU /		
//////////////////////		
P FUNCTIONS	0.12	System Options
P FUNCTIONS	0.32	
P FUNCTIONS	0.40	
P FUNCTIONS	0.51	
P FUNCTIONS	0.71	
P FUNCTIONS	1.10	
P FUNCTIONS	1.21	
P FUNCTIONS	1.30	
P FUNCTIONS	1.41	
P FUNCTIONS	1.50	
P FUNCTIONS	1.60	
P FUNCTIONS	1.70	
P FUNCTIONS	1.80	
P FUNCTIONS	1.90	
P FUNCTIONS	2.00	
P FUNCTIONS	2.11	
P FUNCTIONS	2.21	
P FUNCTIONS	2.30	
P FUNCTIONS	2.50	
P FUNCTIONS	2.61	
P FUNCTIONS	2.70	
P FUNCTIONS	2.80	

P FUNCTIONS	2.90	System Options
P FUNCTIONS	3.01	
P FUNCTIONS	3.10	
P FUNCTIONS	3.21	
P FUNCTIONS	3.30	
P FUNCTIONS	3.40	
P FUNCTIONS	3.50	
P FUNCTIONS	3.60	
P FUNCTIONS	4.00	
P FUNCTIONS	9.82	
P % DISCOUNT	10.60%-	← -%
	10.000T1	Tax rate
	20.000T2	
	30.000T3	
	40.000T4	
P FC RATE	1120000.25	Forreign Currency Rate
P FC RATE	2120000.30	
P FC RATE	3020000.01	
P FC RATE	4020000.01	
P SECU CODE	12.34	← Z Report Security Code
CLERK 1	111	Clerk Security Code
CLERK 2	222	
CLERK 3	333	
CLERK 4	000	
CLERK 5	000	
CLERK 6	000	
CLERK 7	000	
CLERK 8	000	

24 Clearing errors

Incorrect entries and error status (acoustic signal) can be cleared by pressing [CLEAR].

25 Registration according to departments

Enter price without decimal point (max. 7 digits).

Price	Department
PPPPPPP	[1 +]

Or: **If the same PLU should be registered several times:**

No. of PLUs		Price	Department
NN	[X/TIME DW]	PPPPPPP	[1 +]

The sum of NN x PPPPPPP is limited to the maximum capacity of the cash register.

26 Registration according to PLU numbers

Enter the PLU (max. 3 digits)

PLU number	PLU
E.g. [1 PQRS] [2 TUV]	[PLU]

Or: **If the same PLU should be registered several times:**

No. of PLUs		PLU	PLU
NN	[X/TIME DW]	E.g. [1 PQRS] [2 TUV]	[PLU]

The sum of NN x PLU price is limited to the maximum capacity of the cash register.

Or: **When a PLU is being used which has been programmed with free pricing:**

PLU no.	PLU	Price entry	PLU
E.g. [1 PQRS] [2 TUV]	[PLU]	PPPPPPP	[PLU]

Or: **When a department or PLU should operate with minus:**

	Price entry	Department		PLU no.	PLU
[REF/-]	PPPPPPP	[1 +]	or	E.g. [1 PQRS] [2 TUV]	[PLU]

27 Conclude receipt

When all the PLUs have been registered, press the [SUB TOTAL] key to display and print the subtotal.

Enter the amount paid without a decimal point and conclude the receipt by pressing [CASH TOTAL =]

	Amount tendered	Conclude receipt
[SUB TOTAL]	PPPPPPP	[CASH TOTAL =]

28 Sample Receipt

28.1 Example 1: Default Settings with Footer Message

System options: 4-0, 17-0, 18-0, 19-0, 20-0, 21-1 and 40-0 (Default).

Below example is shown for programmed footer message.

	//////////////////////		
	/ YOUR RECEIPT /		
	/ THANK YOU /		
	//////////////////////		
Clerk Name	CLERK 1	13-03	Time
Date	09-01-2006	0004	Consecutive Number
Department Caption	DEPT01	1.00T1	Taxable 1 Department
	DEPT02	2.00T2	Taxable 2 Department
	DEPT03	3.00T3	Taxable 3 Department
	DEPT04	4.00T4	Taxable 4 Department
	DEPT05	5.00	Non Taxable Department
	- -		
Subtotal	SUBTTL	15.00	
VAT 1 Amount	VAT 10.000%	0.09T1	
VAT 2 Amount	VAT 20.000%	0.33T2	
VAT 3 Amount	VAT 30.000%	0.69T3	
VAT 4 Amount	VAT 40.000%	1.14T4	
	- -		
	TOT EXCL VAT	7.75	Total Taxable Amount (without Tax)
	CASH	20.00	Cash Amount
	CHANGE	5.00	Change
	HAVE A NICE DAY		Footer Message
	PLEASE COME AGAIN		
	* * * * * * * * * * * *		

28.2 Example 2: Journal Mode

System options: 4-0, 17-0, 18-0, 19-0, 20-0, 21-1 and 40-1

CLERK 1	13-03
09-01-2006	0005
DEPT01	1.00T1
DEPT02	2.00T2
DEPT03	3.00T3
DEPT04	4.00T4
DEPT05	5.00
- -	
SUBTTL	15.00
VAT 10.000%	0.09T1
VAT 20.000%	0.33T2
VAT 30.000%	0.69T3
VAT 40.000%	1.14T4
- -	
TOT EXCL VAT	7.75
CASH	20.00
CHANGE	5.00

28.3 Example 3: Total Tax Amount

System options: 4-1, 17-1, 18-0, 19-0, 20-0, 21-0 and 40-0.

CLERK 1	PM01-03
09-01-2006	0006
DEPT01	1.00T1
DEPT02	2.00T2
DEPT03	3.00T3
DEPT04	4.00T4
DEPT05	5.00
- - - - - - - - - - - -	
SUBTTL	15.00
VAT 10.000%	0.09T1
VAT 20.000%	0.33T2
VAT 30.000%	0.69T3
VAT 40.000%	1.14T4
- - - - - - - - - - - -	
TOT VAT	2.25
CASH	20.00
CHANGE	5.00

Total VAT Amount (TOT VAT)

28.4 Example 4: Net Total

System options: 4-1, 17-1, 18-0, 19-0, 20-1, 21-1 and 40-0.

CLERK 1	PM01-03
09-01-2006	0007
DEPT01	1.00T1
DEPT02	2.00T2
DEPT03	3.00T3
DEPT04	4.00T4
DEPT05	5.00
- - - - - - - - - - - -	
SUBTTL	15.00
VAT 10.000%	0.09T1
VAT 20.000%	0.33T2
VAT 30.000%	0.69T3
VAT 40.000%	1.14T4
- - - - - - - - - - - -	
TOT VAT	2.25
AMT VAT EXCL 10.000%	
	0.91T1
AMT VAT EXCL 20.000%	
	1.67T2
AMT VAT EXCL 30.000%	
	2.31T3
AMT VAT EXCL 40.000%	
	2.86T4
- - - - - - - - - - - -	
TOT EXCL VAT	7.75
CASH	20.00
CHANGE	5.00

Total VAT Amount (TOT VAT)

Taxable Amount (without Tax) (AMT VAT EXCL lines)

Total Taxable Amount (without Tax) (TOT EXCL VAT)

28.5 Example 5: Taxable Amount

System options: 4-1, 17-1, 18-1, 19-1, 20-1, 21-0 and 40-0.

CLERK 1	PM01-03	
09-01-2006	0008	
DEPT01	1.00T1	
DEPT02	2.00T2	
DEPT03	3.00T3	
DEPT04	4.00T4	
DEPT05	5.00	
- - - - - - - - - - -	- - - - - - - - - - -	
SUBTTL	15.00	
AMT VAT INCL 10.000%		
	1.00T1	
AMT VAT INCL 20.000%		
	2.00T2	
AMT VAT INCL 30.000%		
	3.00T3	
AMT VAT INCL 40.000%		
	4.00T4	
- - - - - - - - - - -	- - - - - - - - - - -	
TOT INCL VAT	10.00	◄ Total Taxable Amount (with Tax)
VAT 10.000%	0.09T1	Taxable Amount (with Tax)
VAT 20.000%	0.33T2	
VAT 30.000%	0.69T3	
VAT 40.000%	1.14T4	
- - - - - - - - - - -	- - - - - - - - - - -	
TOT VAT	2.25	◄ Total VAT Amount
AMT VAT EXCL 10.000%		Taxable Amount (without Tax)
	0.91T1	
AMT VAT EXCL 20.000%		
	1.67T2	
AMT VAT EXCL 30.000%		
	2.31T3	
AMT VAT EXCL 40.000%		
	2.86T4	
- - - - - - - - - - -	- - - - - - - - - - -	
CASH	20.00	
CHANGE	5.00	

29 Error Correction and Voids

Faulty registrations can be corrected immediately after entry or later in the transaction.

Error correction (direct): The last item entered during a registration can be corrected directly.

[EC] Correction is completed

Void (designated correction): Errors in amounts, PLU prices and department prices in transaction entered previously can be corrected during the registration.

[VOID] Void function is activated Complete the registration to be cancelled

Refund /returned goods: Registrations via amounts, PLU numbers or department prices which have already been concluded can be reverted.

[REF/-] Refund function is activated Complete the registration to be reverted [CASH TOTAL =]

30 Other functions

[#/NS]	Cash register is opened
[PO]	For cash payments, enter the amount and press the key.
[RA]	For payments received on account, enter the amount and press the key.
[-%]	Following a registration or conclusion of the subtotal, a percentage discount can be entered. Example: Entry for 5%: [5 JKL] [-%]

31 Subtraction (-) Operations

[REF/-] key entries can be made with a maximum 7 digits amount entry.

Single entries and multiple entries can be performed.

31.1 Single Entry



Set the key to REG

First press the [REF/-] key.

Then enter the amount to be deducted.

Then press the department key for which the deductions should be performed.

Example: Deduction of 0.10 EUR from product group 1.

Input	Display	Confirm by pressing
[REF/-]		
[1 PQRS] [0 "#]	0. 10	[1 +]

31.2 Multiple Entry



Set the key to REG

First press the [REF/-] key.

Enter the number of deduction and complete this step by pressing the [X/TIME DW] key.

(A value between 0.001 and 99,999 can be entered.)

Then enter the amount of the deductions and confirm the entry with the PLU key for the product group from which the deductions are to be made.

Example: Subtraction of 2 x 0.25 EUR from product group 4.

Input	Display	Confirm by pressing
[REF/-]		
[2 TUV]	2	[X/TIME DW]
[2 TUV] [5 JKL]	0.25	[4]

//////////////////////	
/ YOUR RECEIPT /	
/ THANK YOU /	
//////////////////////	
CLERK 1	PM01-03
09-01-2006	0009
DEPT01	10.00T1
DEPT02	20.00T2
COUPON	-0.10
COUPON	-0.20
DEPT03	30.00T3
DEPT04	40.00T4
2.x	0.25@
COUPON	-0.50

TOTAL	99.20
CASH	99.20
VAT 10.000%	0.91T1
VAT 20.000%	3.33T2
VAT 30.000%	6.92T3
VAT 40.000%	11.43T4

} Single [REF/-] key entries (the two COUPON lines -0.10 and -0.20)

} Multiple [REF/-] key entry (2.x 0.25@, COUPON -0.50)

32 -% Key Operations

32.1 Sale Discount



Set the key to REG

First register all product groups and complete this step by pressing the [SUB TOTAL] key.

Press the [-%] key,
and the preset percentage is deducted.
Continue as usual.

Example: Deduction of preset percentage.

Input	Display	Confirm by pressing
		[SUB TOTAL]
[-%]		

//////////////////////	
/ YOUR RECEIPT /	
/ THANK YOU /	
//////////////////////	
CLERK 1	PM01-03
09-01-2006	0010
DEPT01	10.00T1
DEPT02	20.00T2

SUBTTL	30.00
DISCOUNT 10.00%	-3.00

TOTAL	27.00
CASH	27.00
VAT 10.000%	0.82T1
VAT 20.000%	3.00T2

Preset Percentage Rate / Discount Amount (arrow to the DISCOUNT 10.00% -3.00 line)

32.2 Item Discount / Department Discount



Set the key to REG
Register all departments first of all.
Enter the required percentage rate after registering Department 2.
A value between 0.01 and 99.99 can be entered.

Then press the [-%] key.
Continue as usual.

Example: Deduction of a variable percentage of 5% from product group 2.

Input	Display	Confirm by pressing
[5 JKL]	5.00	[-%]

//////////////////////	
/ YOUR RECEIPT /	
/ THANK YOU /	
//////////////////////	
CLERK 1	PM01-03
09-01-2006	0011
DEPT01	10.00T1
DEPT02	20.00T2
DISCOUNT 5.00%	-1.00
- -	
TOTAL	29.00
CASH	**29.00**
VAT 10.000%	0.91T1
VAT 20.000%	3.17T2

← Override Percentage Rate / Discount Amount (DISCOUNT 5.00% line)

33 Void & EC Key Operations

33.1 Immediate Cancellation

Erroneous postings can be cancelled immediately after their registration using the [EC] key.
(Important: No other registrations must have been made since then.)



After you have mistakenly registered a product group,
you can cancel this transaction by immediately pressing the [EC] key.
Then continue as usual.

33.2 Void

If the registration process has not yet been completed with the [CASH TOTAL =] key, erroneous postings can be cancelled using the [VOID] key, even if other registrations have taken place since then.



During the registration, it is possible to cancel an entry previously made by pressing the [VOID] key and then completing the registration to be cancelled.
Then continue as usual.


```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0012
DEPT01             10.00T1
DEPT02             20.00T2
VOID/CORR
DEPT02            -20.00T2
DEPT03             30.00T3
DEPT04             40.00T4
VOID/CORR
DEPT03            -30.00T3
------------------------
TOTAL                50.00
CASH                 50.00
VAT 10.000%         0.91T1
VAT 40.000%        11.43T4
```

Error Correct with Immediate Cancellation (DEPT02 / VOID/CORR / DEPT02 -20.00T2)

Non-last Item Void (VOID/CORR / DEPT03 -30.00T3, cancelling DEPT03 30.00T3)

34 Merchandise Return Operations

34.1 Single Department Entry



Example: 1 item from product group 1 valued at 10 EUR is returned.

	Input	Display	Confirm by pressing
Set the key to REG			
Initiate the return by pressing the [REF/-] key.			[REF/-]
Enter the product value of the returned product and press the relevant department key. Continue as usual.	[1 PQRS] [0 "#] [0 "#] [0 "#]	10.00	[1 +]

34.2 Multiple Department Entry



Example: 2 items from product group 2, each valued at 2 EUR, are returned.

	Input	Display	Confirm by pressing
Set the key to REG			
Initiate the return by pressing the [REF/-] key.			[REF/-]
Enter the number of returned products (with the same price) and complete this step by pressing the [X/TIME DW] key. (A value between 0.001 and 99,999 can be entered.)	[2 TUV]	2	[X/TIME DW]
Then enter the price of the returned products and confirm the entry by pressing the relevant department key. Continue as usual.	[2 TUV] [0 "#] [0 "#]	2.00	[2 X]


```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1              PM01-03
09-01-2006              0013
REFUND- - - - - - - - - - - - - - -
DEPT01              -10.00T1
             2.x       2.00@
REFUND- - - - - - - - - - - - - - -
DEPT02               -4.00T2
- - - - - - - - - - - - - - - - - -
TOTAL                 -14.00
CASH                  -14.00
VAT 10.000%          -0.91T1
VAT 20.000%          -0.67T2
```

Single Item Returned (REFUND / DEPT01 -10.00T1)

Multiple Items Returned (2.x 2.00@ / REFUND / DEPT02 -4.00T2)

35 Received on Account Operations



Set the key to REG
Enter the amount to be placed in the cash register (max. 7 digits) and then press the [RA] key.

Example: 10 EUR are placed in the cash register.

Input	Display	Confirm by pressing
[1 PQRS] [0 "#] [0 "#] [0 "#]	10.00	[RA]

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1              PM01-03
09-01-2006              0014
RECD ACCT              10.00
```

36 Paid Out Operations



Set the key to REG
Enter the amount to be paid out from the cash register (max. 7 digits) and then press the [PO] key.

Example: 5 EUR were paid out of the cash register.

Input	Display	Confirm by pressing
[5 JKL] [0 "#] [0 "#]	5.00	[PO]


```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0015
PAID OUT             -5.00
```

37 Non-add # Print Operations



The [#/NS] key is a non-add key which accepts up to a 7 digits numeric entry. Entry will not add to any activity or sales totals.

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0016
                  1234567#
DEPT01            10.00T1
- - - - - - - - - - - - - - -
TOTAL                10.00
CASH                 10.00
VAT 10.000%         0.91T1
```

38 No Sale Operations



A no sale operation will simply open the cash drawer.
However, the financial report records the nosale activity count.
To open the cash drawer just push [#/NS]

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0017
                  1234567#
NO SALE
```


39 "Tendering" Operations

39.1 Cash Tenders

Example: A bill in the amount of 30 EUR is paid with 50 EUR in cash.



Set the key to REG

First register all product groups and complete this step by pressing the [SUB TOTAL] key.

Then enter the amount that you received in cash and confirm the entry with the [CASH TOTAL =] key.

Input	Display	Confirm by pressing
		[SUB TOTAL]
[5 JKL] [0 "#] [0 "#] [0 "#]	50.00	[CASH TOTAL =]

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0018
DEPT01            10.00T1
DEPT02            20.00T2
- - - - - - - - - - - - - - -
SUBTTL              30.00
CASH                50.00   <-- Cash Amount
CHANGE              20.00   <-- Change
VAT 10.000%        0.91T1
VAT 20.000%        3.33T2
```

39.2 Check Tenders

Example: A bill in the amount of 30 EUR is paid with a check for 50 EUR.



Set the key to REG

First register all product groups and complete this step by pressing the [SUB TOTAL] key.

Then enter the check amount and confirm this step by pressing the [CHECK] key.

Input	Display	Confirm by pressing
		[SUB TOTAL]
[5 JKL] [0 "#] [0 "#] [0 "#]	50.00	[CHECK]


```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1              PM01-03
09-01-2006              0019
DEPT01               10.00T1
DEPT02               20.00T2
- - - - - - - - - - - - - - -
SUBTTL                 30.00
CHECK                  50.00   <- Check Amount
CHANGE                 20.00   <- Change
VAT 10.000%           0.91T1
VAT 20.000%           3.33T2
```

39.3 Split Tender

Example: A bill in the amount of 30 EUR is paid with 15 EUR in cash and a check for 15 EUR.



	Input	Display	Confirm by pressing
Set the key to REG First register all product groups and complete this step by pressing the [SUB TOTAL] key.			[SUB TOTAL]
Then enter the amount that you received in cash and confirm the entry with the [CASH TOTAL =] key.	[1] [5] [0] [0]	15.00	[CASH TOTAL =]
Then enter the check amount and confirm this step by pressing the [CHECK] key.	[1] [5] [0] [0]	15.00	[CHECK]

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1              PM01-03
09-01-2006              0020
DEPT01               10.00T1
DEPT02               20.00T2
- - - - - - - - - - - - - - -
SUBTTL                 30.00
CASH                   15.00   <- Cash Payment
CHECK                  15.00   <- Check Payment
VAT 10.000%           0.91T1
VAT 20.000%           3.33T2
```


39.4 Card Tender



Set the key to REG
First register all product groups and complete this step by pressing the CARD key.

Example: A bill in the amount of 70 EUR is paid with a card.

Input	Display	Confirm by pressing
		CARD

//////////////////////	
/ YOUR RECEIPT /	
/ THANK YOU /	
//////////////////////	
CLERK 1	PM01-03
09-01-2006	0021
DEPT03	30.00T3
DEPT04	40.00T4

SUBTTL	70.00
CARD	**70.00**
VAT 30.000%	6.92T1
VAT 40.000%	11.43T2

Card Payment

40 Foreign Currency (FC) Conversion Operation

- Subtotal value is shown on the display using exchange rate.
  Original value and converted value are shown in turn each time when depressed the key.
- When the base currency is set to Local, converted amount is in Euro
  and when the base currency is set to Euro, the converted amount is in Local.
- **Base Currency: LOCAL**
  Subtotal Amount ÷ Conversion Rate = Conversion Amount
- **Base Currency: EURO**
  Subtotal Amount × Conversion Rate = Conversion Amount
- When tendered immediately after currency conversion is made (now converted total amount is on display), the machine understands that the payment is made in the converted currency.

40.1 Foreign currency payment

When all the PLUs have been registered, press the SUB TOTAL key to display and print the subtotal.

Enter the foreign currency identification and press FC. The total is displayed in the foreign currency. After pressing FC again, the local currency is displayed. Enter the amount tendered in the local or foreign currency and conclude the receipt by pressing CASH TOTAL =

Example: A customer pays a bill amounting to 15.- EUR with 20 US Dollars.



Set the key to REG

After the transactions have been registered, complete the subtotal.

Enter the foreign currency identification (in this case: US Dollar = foreign currency identification 1) and confirm.

Enter the amount received in the foreign currency mode and conclude the receipt.

The change amount is displayed in local currency. The change amount is printed in local and foreign currency.

Input	Display	Confirm by pressing
SUB TOTAL	15.00	
1 PQRS	1	FC
	19.61	
2 TUV 0 0 0	20.00	CASH TOTAL =
	0.30	

Example: The customer receives either 30 Euro cents or 39 US cents change.

40.2 Direct Tender

Characteristic:	Base Currency	Foreign Currency Conversion Rate	FC#1 Caption	System Decimal Point
Setting:	LOCAL	2.5 (Decimal Point = 2)	FC-1	2



	Input	Display	
	1 PQRS PLU	01 1.00	
	SUB TOTAL	5 1.00	1.00 ÷ 2.5 = 40
No Print	1 PQRS FC	□ 0.40	FC-1 Total
No Print	FC	5 1.00	
No Print	1 PQRS FC	□ 0.40	
	CASH TOTAL =	= 0.40	Foreign Currency Cash Amount

```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1          PM01-03
09-01-2006          0022
PLU 001           1.00T1
- - - - - - - - - - - - -
SUBTTL              1.00
VAT 10.000%       0.09T1
- - - - - - - - - - - - -
TOT EXCL VAT        0.91
FC-1 *2.5           0.40     <- FC-1 Total
CASH FC-1           0.40     <- FC-1 Cash Amount
```


41 Calculation Machine Mode

In the Calculator mode, the operational keys are limited to the following keys. In this mode, no print is effective.

Key	Meaning	Key	Meaning	Key	Meaning
CLEAR	CLEAR	1 +	+	00 SP/ENT, 0 "#	00, 0 - 9
CASH TOTAL =	=	2 X	X	1 PQRS, 2 TUV, 3 WXYZ	
		5 -	-	4 GHI, 5 JKL, 6 MNO	
		6 ÷	÷	7 @, 8 ABC, 9 DEF	

Note 1: When a result from a division includes figures below zero, it will be rounded to a nearest integer after rounding up/down (5/4) the first place after the decimal point.

Note 2: During the calculation mode, key tone is eliminated.

41.1 Addition and Subtraction



Set the key to **CAL**

Calculation:

500
+ 90
- 15
- 20
= 555

Input		Display	Confirm by pressing
5 JKL 0 "# 0 "#	+	500	
1 + 9 DEF 0 "#	+	90	
5 - 1 PQRS 5 JKL	-	15	
5 - 2 TUV 0 "#	-	20	CASH TOTAL =
	=	555	
CLEAR		0	

41.2 Multiplication and Division



Set the key to **CAL**

Calculation:

500
x 2
÷ 4
= 250

Input		Display	Confirm by pressing
5 JKL 0 "# 0 "#	+	500	
2 X 2 TUV	x	2	CASH TOTAL =
	=	1000	
6 ÷ 4 GHI	÷	4	CASH TOTAL =
	=	250	

41.3 Memory

A value is saved to the memory using the [SUB TOTAL] key; a value is retrieved from the memory using the [PO] key.

When working with the memory, it does not matter if the value to be saved came from a calculation in CAL mode (see above) or whether a value is to be saved from within a normal product registration in REG mode.

The memory can be used in both modes:



Set the key to **REG**

Calculation (part 1):

10
\+ 20
= 30 (save)

Save with the [SUB TOTAL] key. Retrieve with the [PO] key.

Input	Confirm by pressing	Display
[1 PQRS] [0 "#] [0 "#] [0 "#]	[1 +]	01 10.00
[2 TUV] [0 "#] [0 "#] [0 "#]	[2 X]	02 20.00
	[SUB TOTAL]	5 30.00



Set the key to **CAL**

Calculation (part 2):

30 (from the memory)
÷ 3
= 10



Set the key to **REG**

Input	Display	Confirm by pressing
[PO]	– 30.00	
[6 ÷] [3 WXYZ]	÷ 3	[CASH TOTAL =]
	– 10.00	
[PO]	10.00	
[CASH TOTAL =]	20.00	
[PO] [CASH TOTAL =]	10.00	
[PO] [CASH TOTAL =]	C 0.00	


```
//////////////////////
/ YOUR RECEIPT /
/ THANK YOU /
//////////////////////

CLERK 1            PM01-03
09-01-2006            0023
DEPT01             10.00T1
DEPT02             20.00T2
------------------------
SUBTTL               30.00
VAT 10.000%         0.91T1
VAT 20.000%         3.33T2
------------------------
TOT EXCL VAT         25.76
CASH                 10.00
CASH                 10.00
CASH                 10.00
CHANGE                0.00
```

42 Z-Report Security Code

Management reports can be printed in either the "X" or "Z" position on the control switch. When printed in the "Z" position, transaction totals are reset to zero. Assigning a security-code can prevent accidental reset of transaction totals. Once assigned, the "Z" report prints only after entering the security code.

42.1 Programming the Z-Report Security Code

Note: Assign a number easily remembered. You should also keep the program receipt as a reminder.
If you do target the code, reset this program with a new code. Then, print the using the new code.



Set the key to PRG
Enter the security code as 4 digits.
Confirm by pressing EC

Example: "6543" is programmed as the new security code.

Input	Confirm by pressing	Display
6 MNO 5 JKL 4 GHI 3 WXYZ	EC	P SECU CODE 65.43

42.2 Entering the Z-Report Security Code



Set the key to Z
Enter the security code. Confirm by pressing CHECK.
In case that the security code "0000" is preset, enter CASH TOTAL = key only.

Example: Enter security code "6543".

Input	Display	Confirm by pressing
6 MNO 5 JKL 4 GHI 3 WXYZ	65.43	CHECK

43 Management Report Notes

This section gives instructions for taking reports. Reports may be taken with the control switch in the X or Z position.

- X Position - Reads financial reports.
- Z Position - Reads financial reports, and resets totals to zero.

The read-out for the financial report is the same whether taken in the X or Z position, the only difference is that totals are reset to zero after a Z position report.

43.1 Printing reports



X-reports: Without memory deletion. **Z-reports**: With memory deletion.
Set the key to X (to print X-reports) or Z (to print Z-reports) as necessary.



Report type:	Start printout with:
Day's X and Z-financial report	[CASH TOTAL =]
Day's X and Z-PLU report	[PLU]
X and Z-clerk report	[CLERK]
Monthly X2 and Z2 financial report	[9 DEF] [9 DEF] [CASH TOTAL =]
X and Z-training report	[8 ABC] [8 ABC] [CASH TOTAL =]
Electronic journal (X)	[SUB TOTAL]
Electronic journal (Z) (only when active in system option 26)	[SUB TOTAL]

If the full electronic journal should be printed,
the message CL appears in the display together with an acoustic signal.

- If the electronic journal should be deleted after printing, press [CLEAR].
- If the electronic journal should not be deleted after printing, press [VOID].



Delete the electronic journal without printing	Input	Confirm by pressing
Set the key to Z	[8 ABC] [1 PQRS]	[RECEIPT ON/OFF]

CL in the display: Delete the electronic journal by pressing [CLEAR].

CL in the display: Do not delete the electronic journal by pressing [VOID].

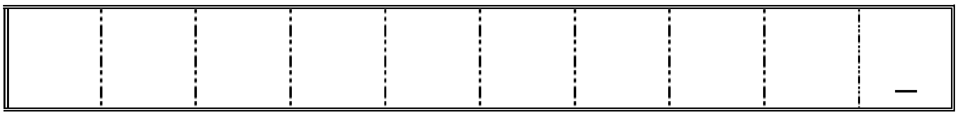
44 Electronic Journal (EJ)

44.1 Basic Explain for Electronic Journal

This Electronic Cash Register has 3000 lines for electronic journal memory. Those are used for REG mode transaction and Z financial report. Therefore, the other transaction like X report and programming dump report will not be buffered to electronic journal memory.

Note: Warning indicater for Nearly full of EJ

" _ " marks that is in most right side on the display shows to nearly full of EJ buffer.



44.2 In case of Nearly full of EJ in REG mode

Note: *Almost full* means that less than 500 lines remain in the buffer memory.

When the EJ memory is almost full, the indicater of the 1st digit will be lit. Warning beep (about 2 seconds) will sound if programmed. There are two options. These options determine the timing of the sounds. One is sound at the end of transaction. The other is the sound at the start of the transaction.

44.3 In case of Full of EJ in REG mode

Note: *Full* memory means that less than 150 lines remain in the buffer memory.

Note: Options 28 and 29 will not effect in case Full of EJ.

When the EJ memory is full, the message will be displayed as [EJ FULL]. And, the warning beep (about 2 seconds) will be sound. That message will be displayed at the start of transaction. At that time, ECR will wait some input.

- If [CLEAR] key is inputted, the transaction will be able to startted.

  Note: The transaction will not be buffered to EJ memory and Consecutive Counter will not be updated in that case.
- If [VOID] key is inputted, the transaction will be escaped.



Set the key to REG

Input	Confirm by pressing	Display
[1 PQRS] [0 "#] [0 "#]	[1 +]	EJ FULL
[CLEAR] or [VOID]		

44.4 Time Display & Inform for Electronic Journal

44.4.1 Time Display



Input	Display	Meaning
[X/TIME DW]	13-00	24-hour clock display
[X/TIME DW]	1-00	12-hour clock display

Note: The time can be displayed outside of a sale only.

44.4.2 Inform for Electronic Journal



Input	Display
[X/TIME DW] [X/TIME DW]	XXXX

Note: When the EJ function is activated,
the free capacity of the EJ memory appears as depicted above.

Note: Inform for EJ can be displayed outside of a sale only.

Note: Toggle between the above two features by pressing [X/TIME DW].

44.5 Electronic Journal Report (X and Z Mode)

This ECR has some kinds of report for EJ. Those reportx have following common functions:

a) **Pause function during issueing report**: When [CLEAR] key is entered during issueing the report, the report will be stopped. Then ECR will wait for entering some key input. One is [CLEAR] key entering again. It means to continued report. The other is [VOID] key entering. It means to escaped report. This function is useful for avoinding to empty paper.

b) **Escape function during issueing report**: When [VOID] key is entered during issueing the report, the report will be escaped. Then ECR will be printted following line that means to stopping report.
"<><><><><><><><><><><><><>" ← Stopping Message

c) **Confirmation function for clearing EJ memory**: When the report issueing is finished in Z mode, ECR will displayed [CLEAR]. And long beep (about 2 seconds) will be sound. It means to confirm to clear EJ memory in truely. Then ECR will wait for entering some key input. One is [CLEAR] key entering again. It means to clear EJ memory in fact.

44.6 Print the Full Electronic Journal




Set the key to X or Z.
In order to print the Full Report for Electronic Journal, set the key to X or Z position first.
Then press [SUB TOTAL].

Input
[SUB TOTAL]

44.7 Print the Oldest Transactions in the Electronic Journal




Set the key to X or Z.
Enter the 3-digit number of transaction (NNN) and confirm with [SUB TOTAL].
(A number between 001 and 999 can be entered.)

Example: Print the 125 Oldest Transactions

Input	Display	Confirm by pressing
[1 PQRS] [2 TUV] [5 JKL]	125	[SUB TOTAL]

"NNN" means to appointing the number of transaction. The Electronic Cash Register will be reportted from oldest transaction. The Electronic Cash Register will count the issued transaction. When the count reach entered number, the report will be stopped. If the issued transaction is all before the count reach entered number, the report will be stopped.

44.8 Print the Latest Transactions in the Electronic Journal





Set the key to X or Z.
Enter the 3-digit number of transaction (NNN) and confirm with [PO].
(A number between 001 and 999 can be entered.)

Example: Print the 150 Latest Transactions

Input	Display	Confirm by pressing
[1 PQRS] [5 JKL] [0 "#]	150	[PO]

“NNN” means to appointing the number of transaction. The Electronic Cash Register will be reportted from older transaction by appointted number. When the issued transaction reach to latest, the report will be stopped. If the appointted number is bigger than saved transaction into EJ memory, the report will be startted from oldest transaction.

44.9 Print the Z-Report in the Electronic Journal





Set the key to X or Z.
Enter the 2-digit number of Z-report (DD) and confirm the entry by pressing the [RA] key.
(A number between 01 and 99 can be entered.)

Example: Print the Z-Report, Print Journal to Z-Report No. 30

Input	Display	Confirm by pressing
[3 WXYZ] [0 "#]	30	[RA]

“DD” means to appointng the number of issued Z financial report. The Electronic Cash Register will be reportted from oldest transaction. The Electronic Cash Register will count the issued Z financial report. When the count reach entered number, the report will be stopped. If the issued data is all before the count reach entered number, the report will be stopped.

44.10 Delete the Electronic Journal Memory (without printing)



Set the key to Z.
Enter [8 ABC] and [1 PQRS] and confirm with [RECEIPT ON/OFF].
Electronic journal memory will be cleared without printing.

Input	Display	Confirm by pressing
[8 ABC] [1 PQRS]	8 1	[RECEIPT ON/OFF]

Confirmation function for clearing EJ memory. When the report issueing is finished in Z mode, the Electronic Cash Register will displayed [CL] and long beep (about 2 seconds) will be sound. It means to confirm to clear EJ memory in truely. Then the Electronic Cash Register will wait for entering some key input. One is [RECEIPT ON/OFF] key entering again. It means to clear EJ memory in fact. The other is [VOID] key entering. It means to escape clear EJ memory.

45 Training mode

45.1 To operate in Training Mode



Start Training mode:
Set the key to PRG

Press [6 MNO] 6 times, conclude by pressing [CASH TOTAL =].

Input	Display	Confirm by pressing
[6 MNO] [6 MNO] [6 MNO] [6 MNO] [6 MNO] [6 MNO]	6666.66	[CASH TOTAL =]



To **operate in Training mode**:
Set the key to REG

Note: No reports can be printed in Training mode.



End Training mode:
Set the key to PRG

Press [5 JKL] 6 times, conclude by pressing [CASH TOTAL =].

Input	Display	Confirm by pressing
[5 JKL] [5 JKL] [5 JKL] [5 JKL] [5 JKL] [5 JKL]	5555.55	[CASH TOTAL =]

45.2 Training Mode Report





Set the key to X or Z.

X Position: Prints the Training report without deleting it

Z Position: Training report is printed and the total amounts are reset to zero.

Enter 2 times [8 ABC] and confirm with [CASH TOTAL =].

Input	Display	Confirm by pressing
[8 ABC] [8 ABC]	88	[CASH TOTAL =]


```
CLERK 1          PM01-03
09-01-2006          ****
ZO                  0001
            034
DEPT01          382.00T1
            018
DEPT02          327.00T2
            009
DEPT03          244.00T3
            005
DEPT04          200.00T4
            006
DEPT05            268.00
            016
```

```
DEPT14                 21.00
                 006
DEPT15                 12.00
                 003
DEPT16                  9.00
TL DEPT              1463.00
TL VAT 1 10.000%
                      34.63T1
AMT VAT EXCL 10.000%
                     346.37T1
TL VAT 2 20.000%      53.83T2
AMT VAT EXCL 20.000%
                     269.17T2
TL VAT 3 30.000% 54.91T3
AMT VAT EXCL 30.000%
                     183.09T3
TL VAT 4 40.000%      56.01T4
AMT VAT EXCL 40.000%
                     139.99T4
TOTAL VAT             199.38
TL-COUPON              -3.00
TL-DISCOUNT           -15.00
TL                   1445.00
TL-NET               1245.62
TOT REFUND            -53.00
TL VOID/CORR          -50.00
ROUNDING                0.00
```

```
023
TL CASH            1298.00
                003
TL CHECK             74.00
                004
TL CARD              73.00
                001
TL RECD ACCT         10.00
                001
TL PAID OUT          -5.00
FC-1 *2.5            76.00
FC-2 *1.0            22.00
FC-3 *1.5            56.00
FC-4 *3.0            15.00
TL NO SALE   002
C-I-D              1303.00
CHECK-I-D            74.00
```

46 Deletion function

Caution: The following steps should only be taken when you are familiar with the programming functions.



Initiate a warm start

A warm start deletes the last malfunction. The programming is retained.

Set the key to PRG. Disconnect the power plug.

Then press the [CLEAR] and [7 @] keys simultaneously while reconnecting the power plug.

The cash register prints PARTIAL RESET.



Delete all reports

All sales are deleted. The programming is retained.

Set the key to PRG. Disconnect the power plug. Then press the [CLEAR], [7 @] and [9 DEF] keys simultaneously while reconnecting the power plug.

The cash register prints REPORT RESET.



Delete all data

All programming and sales are deleted. The cash register is reset to its default, factory settings.

Set the key to PRG. Disconnect the power plug. Then press the [CLEAR], [3 WXYZ] and [7 @] keys simultaneously while reconnecting the power plug.

The cash register prints FULL RESET.

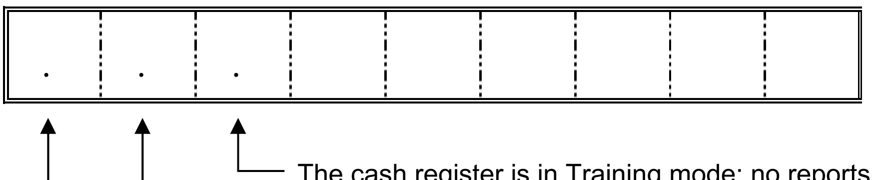
47 Error messages

Error messages appear in the display in the case of incorrect operation.

Error message	Cause	Corrective measure
E	Wrong key pressed.	Press [CLEAR].
PAPER	End of paper	Insert new paper roll, press [CLEAR].
EJ FULL	The electronic journal is full.	Delete the electronic journal (with or without printout).
SEC-CODE	A password has been programmed for Z-reports.	Enter the 4-digit password, press [CHECK].
SEC-CODE	A password has been programmed for the clerk.	Enter the clerk number. Then enter the 3-digit password. Conclude by pressing [CLERK].
CL	Request for report printout of the electronic journal with key in position Z.	Delete the electronic journal by pressing [CLEAR]. Or: Clear the error message by pressing [VOID].

48 What to do if the cash register does not print?

In the event the cash register fails to print receipts or reports, check whether a special function has been activated. Special functions are indicated by a dot in the display:



The cash register is in Training mode; no reports can be printed in this mode.

What to do: Deactivate Training mode. To do this, set the key-operated switch to PRG and press the [5 JKL] key 6 times. Conclude by pressing [CASH TOTAL =].

(Also refer to the Section "Training mode".)

The Receipt function has been deactivated on the cash register. There is no paper transport and, therefore, no receipt is printed.

What to do: Press the [RECEIPT ON/OFF] key to activate the receipt printing function.

The cash register is in Calculator mode; the key-operated switch is set to CAL.

There is no paper transport in Calculator mode. In addition, only the calculation keys are operational.

What to do: Set the key to REG.

49 Printer malfunction

In the event of a printer error, switch the cash register off immediately and disconnect the power plug. Check whether the paper roll is inserted correctly or their is a foreign body in the printer mechanism. Remove it, if present.

Caution: Remove the foreign body very carefully. Do not use a knife, screwdriver or anything similar. Never use force. This could damage the printer mechanism.

Switch the cash register on again and complete a registration.
If the printer error reoccurs, contact the service centre.

